

"Making sense of the multi-model decadal prediction experiments from CMIP5"
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GEOS-5 System Developments for Decadal Climate Prediction at NASA/GMAO

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ABSTRACT

The GEOS-5 AOGCM is being used to conduct the CMIP5 decadal prediction suite. The model is comprised of the GEOS-5 AGCM coupled to MOM4 and CICE, with aerosol distributions from GOCART. The decadal predictions are initialized from the GEOS Ocean-Ice reanalysis that is coupled to MERRA, GMAO's atmospheric reanalysis. Perturbations are generated using a bred vector approach. The integrations are still underway. The system and preliminary results will be presented.